



Precision Manufacturing and Maintenance Degree (PMA3)- 60 Credit Hours Customized Training Specialization

Program Description:

The Precision Manufacturing and Maintenance associate degree program is designed to develop versatile skills required for a variety of manufacturing positions, with emphasis on diagnosing and maintaining complex integrated systems. The planned sequence of courses prepares students to install, program, operate, maintain, service, and diagnose electromechanical equipment and produce precision parts used in manufacturing applications. Graduates may find entry-level employment as industrial/mechanical maintenance technicians, automation technicians, flexible manufacturing technicians, robotics technicians, or as supervisors in a variety of settings that require automated manufacturing skills. Initial salaries are estimated to begin at \$48,180. (BLS.gov May 2022).

Contact:

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Website:

<https://www.westgatech.edu/program-explorer/manufacturing-and-production/precision-manufacturing-and-maintenance/>

Pre-Degree Requirements

Program Specific

- Min GPA 2.0
- Carrollton, Coweta and LaGrange Campus
- Prerequisites – Minimum Grade of C required

Set the Track, Start the Track, Stay on Track

Meet with an Advising Coach to Stay on Track. S = Semester; CR = Credit Hours; FA = Fall; SP = Spring; SU = Summer; ALL=any semester

✓	Grade	Fall Semester 1	S	CR	Notes & Milestones
		IDSY 1101 DC Circuit Analysis	ALL	3	
		IDSY 1105 AC Circuit Analysis	F, SP	3	
		IDSY 1160 Mechanical Laws and Principles	F, SU	4	
		MATH 1111 College Algebra	ALL	3	
				13	Program Semester Hours
✓	Grade	Spring Semester 1	S	CR	Notes & Milestones
		AUMF 1130 Applied Hydraulics, Pneumatics, and Mechanics	F, SP	2	
		MEGT 1010 Manufacturing Processes	SP	3	
		IDSY 1112 Industrial Motor Controls I	F, SP	4	Prerequisites IDSY 1101 & IDSY 1105
		IDSY 1171 Industrial Mechanics	SP	4	
				13	Program Semester Hours

✓	Grade	Summer Semester	S	CR	Notes & Milestones
		ENGL 1101 Composition and Rhetoric	ALL	3	
		AREA II Core Class	ALL	3	List of AREA II courses
		AREA IV Core Class	ALL	3	List of AREA IV courses
		WELD 1330 Metal Welding and Cutting Techniques	SU	2	
				11	Program Semester Hours
✓	Grade	Fall Semester 2	S	CR	Notes and Milestones
		IDSY 1181 Fluid Power	F, SP	4	
		IDSY 2000 PLC I	F	4	Prerequisites IDSY 1112
		IDSY 2001 PLC II	F	4	
		AUMF 1580 Automated Manufacturing Skills	ALL	3	
				15	Program Semester Hours
✓	Grade	Spring Semester 2	S	CR	Notes and Milestones
		AUMF 1110 Flexible Manufacturing System I	SP	5	
		AUMF 1560 Manufacturing Production Requirements	ALL	1	
		IDSY 1240 Maintenance for Reliability	ALL	4	
		Additional 3 Credits from AREA I, II, III or IV	ALL	3	List of AREA I, II, III, or IV courses
				13	Program Semester Hours
Always check online https://www.westgatech.edu/ and meet with your Advising or Faculty Coach to ensure you are viewing the latest and most accurate information.					

Employment Opportunities: <https://www.westgatech.edu/student-life/career-services/>

Financial Aid by Program: <https://www.westgatech.edu/wp-content/uploads/2019/02/WGTC-Available-Aid-By-Program-11-17-2023.pdf>

As set forth in its student catalog, West Georgia Technical College complies with the Technical College System of Georgia (TCSG). The TCSG State Board prohibits discrimination on the basis of an individual's age, color, disability, genetic information, national origin, race, religion, sex, or veteran status ("protected status"). No individual shall be excluded from participation in, denied the benefits of, or otherwise subjected to unlawful discrimination, harassment, or retaliation under, any TCSG program or activity because of the individual's protected status; nor shall any individual be given preferential treatment because of the individual's protected status, except the preferential treatment may be given on the basis of veteran status when appropriate under federal or state law. The following person(s) has been designated to manage inquiries regarding the nondiscrimination policies: Equity (Title IX) Coordinator: Melinda Hofius, Dean of Students 770.537.5722, 176 Murphy Campus Blvd., Waco, GA 30182; ADA (Section 504) Coordinators: Students: Zelma Jones, Career and Student Support Services Manager, 770.824.5245, 176 Murphy Campus Blvd., Waco, GA 30182, Student504@westgatech.edu, Employees: Teresa Jiles, Human Resources Manager, 770.537.6056, 176 Murphy Campus Blvd., Waco, GA 30182, wgtchr@westgatech.edu.